



12A7

12A7
12A8-GT/G

RECTIFIER-PENTODE

Heater	Coated Unipotential Cathodes	
Voltage	12.6	a-c or d-c volts
Current	0.3	amp.
Maximum Overall Length		4-17/32"
Maximum Seated Height		3-29/32"
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Small
Base		Small 7-Pin
Pin 1-Heater		Pin 5-Rectifier Plate
Pin 2-Pentode Plate		Pin 6-Pentode Cathode
Pin 3-Pentode Screen		Pin 7-Heater
Pin 4-Rectifier Cathode		Cap -Pentode Grid
Mounting Position		Any

Diagram of the 12A7 vacuum tube base showing pin connections: 1 (Heater), 2 (Pentode Plate), 3 (Pentode Screen), 4 (Rectifier Cathode), 5 (Rectifier Plate), 6 (Pentode Cathode), 7 (Heater).

BOTTOM VIEW (7K)

Maximum Ratings Are Absolute Values

PENTODE UNIT

Plate Voltage	135 max. volts
Screen Voltage	135 max. volts

Typical Operation and Characteristics—Class A₁ Amplifier:

Plate	135	volts
Screen	135	volts
Grid	-13.5	volts
Cathode Res.	1175	ohms
Plate Res.	102000	ohms
Transcond.	975	μmhos
Plate Cur.	9	ma.
Screen Cur.	2.5	ma.
Load Res.	13500	ohms
Power Output	0.55	watt

RECTIFIER UNIT

With Condenser-Input Filter:

A-C Plate Voltage (RMS)	125 max. volts
D-C Output Current	30 max. ma.

12A8-GT/G PENTAGRID CONVERTER

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.15	amp.

The 12A8-GT/G is the same as the 6A8-GT except for heater rating.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

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DATA